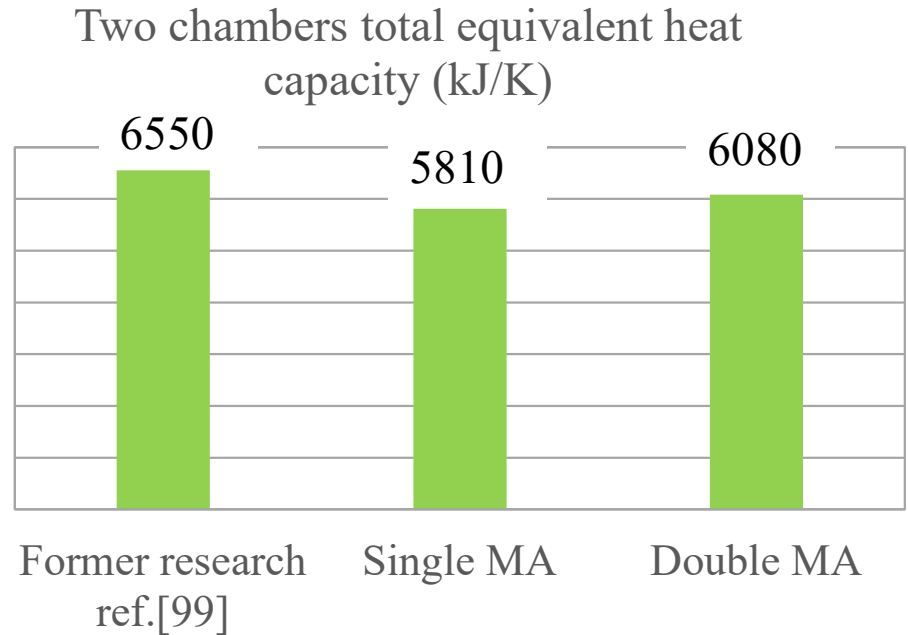
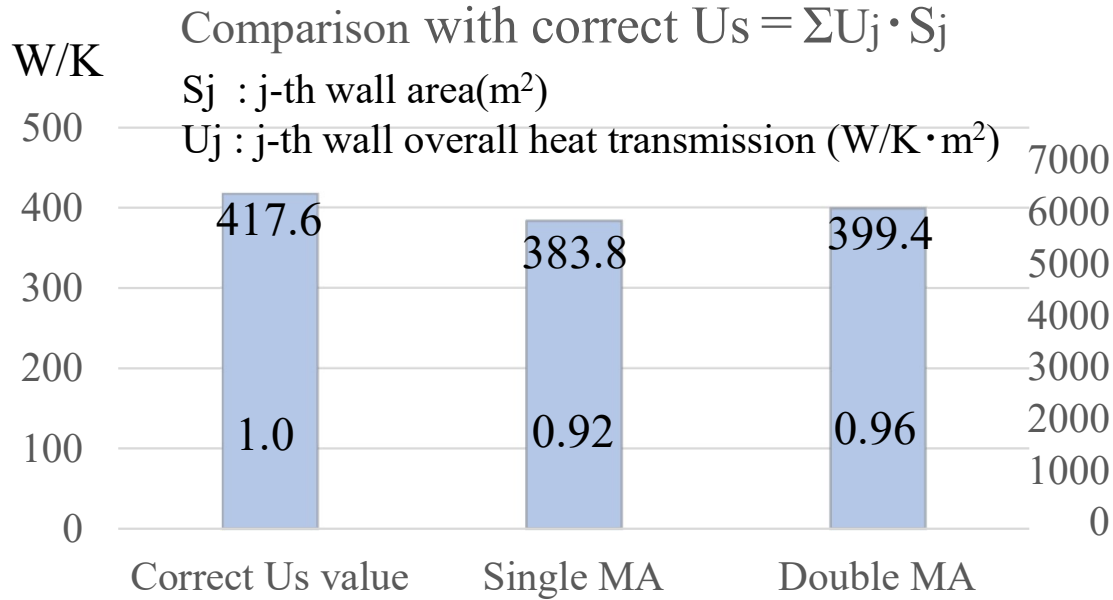


Difference in system identification results between single and double moving averages



For the total area exterior wall's overall heat transmission coefficient U_s , equivalent heat capacity, and solar heat gain coefficient, the deviations from the appropriate values are halved when using a double moving average compared to a single moving average.

For the ratio of exterior wall's total U_s value, with the correct ratio being 1, the single moving average produces 0.92, and the double moving average achieves 0.96.

Compared to the sine wave form excitation in the previous research[99], the square wave changes more drastically, so the equivalent heat capacities become smaller in order to trace it.

